

SZABLEWSKI, W.

✓22/13/5

532.529

Turbulent Mixing of Two-Dimensional  
Hot Air Jets

Ing.-Arch.

25(1), 10-25

1957

Germany

W. Szablewski  
A previous paper by the author (Ing. Arch. 20, 67-73, 1952) deals with the mixing of two separate gases of highly different temperatures. It is shown that their respective mixing rates are proportional to the square of the temperature difference. This is the more general case is considered here, i.e., the mixing of two gases at different temperatures. The results are compared with those obtained by other methods.

(25-2, 5)

P/005/60/000/11/005/040  
D012/D049

AUTHOR: Szablewski, W. Engineer

TITLE: The Polish Ball-Bearing Industry

PERIODICAL: Przeglad Techniczny 1960, Nr 11, pp 5-7

ABSTRACT: The author describes the development of the Polish ball-bearing industry during the last 10 years and its planned expansion. The first ball-bearings were produced at the Kraśnicka Fabryka Wyrobów Metalowych (Metal Products Plant) in KRASNIK. The plant was completed with USSR aid in 1950. Documentation, machine tools, and equipment were supplied by the USSR. In 1959, ball-bearing output increased by 36.3%, as compared with 1958. At the same time ball-bearing production was also started in WARSZAWA, KIELCE and SKARZYSKO. Two more plants, in KIELCE and POZNAN, are presently under construction. The latter will be put into operation in 1960. It

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P/005/60/000/11/005/040  
D012/D049

The Polish Ball-Bearing Industry

is expected that 1959 production (9 million ball-bearings) will be increased by 30.8% in 1960. Presently the ball-bearing industry produces nearly all basic groups (294 items) for cars, tractors, motorcycles, RR-cars, electric locomotives, machine tools, electric motors, metallurgical equipment, and other commodities. Great help to the industry was given by the Centralne Biuro Konstrukcji Łożysk Toczych (Ball-bearing Central Designing Office), which has worked out new ball-bearing constructions, technological processes, testing and controlling equipment and machines. It also introduced ball-bearing parts made from plastics. The Polish ball-bearing industry closely cooperates with the USSR and other satellite countries. The present output of 12 million ball-bearings annually, does not meet all domestic requirements. The next

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P/005/60/000/11/005/040  
D012/D049

The Polish Ball-Bearing Industry

1961-65 Five Year Plan foresees, therefore, a production increase to 25 million ball-bearings annually. This will be attained by 1965. To reach this target, the Fabryki Łozysk (Ball-bearing Plants) in KRASNIAK, WARSZAWA and POZNAN will have to be expanded and new ones constructed. During 1961-65, a new, small gabarite ball-bearing plant will be built in KIELCE. At the same time, a ball-bearing section will be put into operation at the Zakłady Metalowe (Metal Plant) in DEBIE. A considerable production increase is expected with an increase of labor efficiency, mechanization, utilization of high grade abrasive discs and tubes instead of rods for ball-bearing production. New production norms in the industry will already be introduced in 1960. It is expected that by 1965, the swift technical progress will not only speed-up production but also will

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D012/D049

The Polish Ball-Bearing Industry

help to exceed planned output figures, recommended by the 4th Plenum KC PZPR (Central Committee of the United Workers' Party) resolutions. However, the planned 1965 production of 25 million ball-bearings, and even a possible higher output, would not entirely cover domestic requirements. To avoid further imports and bottlenecks in the rapid development of the machine building industry, the ball-bearing industry must be enlarged. According to plans worked out by the Zjednoczenie Przemysłu Wyrobów Precyzyjnych (Union of Precision Products Industry), the ball-bearing industry will produce 44 million ball-bearings in 1970, and 63 million ball-bearings by 1975. These estimated figures will cover all domestic requirements. The 1960-75 development plan requires an increase of machine tools, operating in the ball-bearing industry up to 4,000, and new capital investments ✓

Card 4/5

SZATMISI, J.

From the works of the Department of Rural Building Construction Planning of  
the Warsaw Politechnic. no. 1.  
(ROZDZIAŁOWE WYDANIE. Vol. 8, no. 4, Apr. 1956, Warszawa, Poland)

Su: Monthly List of East European Acquisitions (FEAL) 1956. Vol. 5, no. 12, Dec. 1957.  
Enc.

SZABLOWSKI, K.

POL. W

✓ 1010. GEAR PUMPS IN MINES. Szabolowski, K. (Przegl. górn. (Min. Rev.),  
July/Aug. 1954, vol. 10, 271-274). (L).

SZALEJOWSKI, K.

"Problem of cavitation in high speed pumps."

p. 229 (Przeglad Gorniczy) Vol. 12, no. 6, June 1956  
Katowice, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

SZABŁOWSKI, W.

Assortment of building timber according to the principle of endurance; timber T.  
p. 279. (PRZEGŁAD BUDOWLANY, Vol. 24, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

SEARLCOWSKI, W.

Drying lumber by means of combustion gases. p. 5.  
PRZEMYSŁ DRZEWNY, Warszawa, Vol. 6, no. 5, May 1955.

SO: Monthly List of East European Accessions, (EMAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

SZABLYA, F.

TECHNOLOGY

PERIODICAL: MELYERITESTUDOMANYI SZEMLE. Vol. 8, no. 8/9, Aug./Sept. 1958

Szablya, F. Study trip to Prague, p. 3<sup>rd</sup>.

Monthly list of East European Accessions (EEAI) IR, Vol. 8, No. 2,  
February 1959, Unclass.

SZABLYA, Ferenc

Long-range canalization plan for Budapest. ~~Hidrologiai kezlon~~  
38 no.3:161-174 Je'58.

SZABLYA, Ferenc

Long-range plan for the canalization of Budapest. Hidrologiai  
kezldony 43 no.6:449-457 D '63.

1. Fovarosi Csaternazasi Muvek, Budapest.

SZABLYA, Janos

"Amplidyne Type Machines." (General information based on Foreign work. No indication on whether and to what extent they are used in Hungary.)

SO: ELEKTROTECHNIKA (Electrotechnics), Vol. 45, No. 7, July 1952 (AF 503502).

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1

SZABLYA/J.

2114\* The Dynamic Machine Constant of Rotating Am-  
plifiers. (English.) L. Szabinya. Acta Technica Academiae  
Scientiarum Hungaricarum, Vol. 10, No. 3-4, 1954, p. 365-387.  
Development of means of performance evaluation. Graphs, dia-  
grams.

JT SPH

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

SZABLYA, J.

HUNG.

54. *Transient phenomena in d-c machines* — J. Szablya.  
(*Eletrotechnika* — Vol. 47, 1954, No. 6, pp. 163—174.  
No. 7, pp. 198—205, 39 figs.)

Transient phenomena in d-c machines are discussed from the standpoint of control systems. The separately excited d-c dynamo as well as the eddy current damping and the d-c motor are dealt with. The general transient equation is deduced for shunt, series-wound and separately excited dynamos. The critically excited (tuned) shunt (regulex), series (rototrol) and compound-wound rotary amplifiers are deduced from the above. The metadyne is discussed in detail, its fundamental properties are demonstrated on a critically compensated machine with resistance commutation. Subsequently, the influence of commutating currents, of non-critical compensation, of the leakage between input (control) and compensating coils etc. are described as well as the metadyne converter, the two-stage rototrol, multi-stage rotary amplifiers and cascades. The results obtained by the critical analyses have been proved by numerous measurements.

(S) (S)

SZAFELY, J.

"Transient phenomena of DC machines. II. Machines with several sets of brushes; cascades."  
Elektrotechnika, Budapest, Vol. 47, No. 7, July 1954, p. 198.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

SZAPIYA, J.

SZAPIYA, J. Dynamic factor of amplifying machines. p. 227.

Vol. 15, No. 1/4, 1955.

KCZL/MEKYSI.

TECHNOLGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

L 01834-67 T WW/DJ

ACC NR: AT6035610

SOURCE CODE: HU/2504/66/053/01-/0153/0163

AUTHOR: Stvretczky, F.--Shtvrtecki, F.; Szabo, A.--Sabo, A.

29

B4

ORG: Department for Hydraulic Machines, Technical University, Budapest

TITLE: Influence of manufacturing inaccuracies on the characteristics of pumps

SOURCE: Acta technica academiae scientiarum Hungaricae, v. 53, no. 1-2, 1966, 153-163

TOPIC TAGS: pump, mechanical engineering

3

ABSTRACT: Nineteen pump impellers were manufactured with known deviations from the nominal parameters. Use evaluations of the pump containing these impellers were conducted to assess the effect of the various deviations (simulating manufacturing inaccuracies) on pump performance. The results of the experiments were presented and discussed in detail. On the basis of the data obtained it was possible to develop maximum permissible deviation values for the individual parameters studied.  
Orig. art. has: 9 figures. [Orig. art. in Eng.] [JPRS: 35,328]

SUB CODE: 13 / SUBM DATE: 06May64 / ORIG REF: 003 / OTH REF: 001

Card 1/1

fv

0922 0008

SZABO, A.

Contributions of the Collective of the Institute of Atomic Physics,  
Cluj, to the research on the radioactivity of the surrounding medium  
during the last 15 years. Studii cerc fiz 16 no.9:1091-1116 '64.

1. Institute of Atomic Physics, Cluj.

COUNTRY	: Hungary	A-2
ORG/CITY	:	
PERIOD	: RZKnia., No. 16 1959, No. 57306	*
AUTHOR	: Pattantyus, G. A., Nemet, A., Szabo, A., and	
INST.	: Hungarian Academy of Sciences	
TITLE	: Maximum Liquid Yields of Vertical Pipes Filled with Gaseous Liquid	
ORG. PUB.	: Acta Tech Acad Sci Hung, 22, No 1-2, 101-114 (1958)	
ABSTRACT	: The authors have investigated the flow of liquid gas mixtures in vertical pipes. It has been found that for long pipes (length > 100 m) the proper selection of a modified friction factor makes it possible to calculate the maximum liquid yield (the introduction of a modified friction factor reduces the problem to a consideration of homo- geneous flow). The authors indicate that for short pipes (length 3-30 m) the resistance de- pends primarily on the ratio of the liquid and	
CARD	1.2	* Gaal, J.  165

COUNTRY : HUNGARY  
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Synthetic Polymers. Plastics.  
H  
ABS. JOUR. : RZhKhim., No 17, 1959, No. 62748  
AUTHOR : Szabo, A.; Soo, A.; Eleonaki, L.; Fulezan, I.  
INSTITUTE : -  
TITLE : New Commercial Application of Ureaformaldehyde Resins.  
ORIG. PUB. : Kolozsvari egylet Kozl. Termeszettud. sor., 1957,  
2, No 1-2, 119-126  
  
ABSTRACT : The ureaformaldehyde resin was obtained by condensation of urea (in water solution with approx. 12% concentration) and formaldehyde in a molal ratio of 1:3. The condensation reaction was conducted at the boiling point in the course of 10 hours (pH of 6.2 - 6.5), then the resin was concentrated by evaporation at the residual pressure of 11 mm and 60° temperature. It is proposed to employ the obtained resin in place of the nitro-glue in the shoe industry. Stability of the glue resin is 2-3 weeks. --L. Pesin.

Card: 1/1

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1

SZABO, Ambrus

A new structural substance in agriculture. Mezogard techn  
l no.2:29-30 '61.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

SZABO, Ambrus

Plastic cover instead of garage! Mezogazd techn 1 no.11:26  
'61.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1

SZABO, Ambrus

Plastic instead of metal. Mezogazd techn 3 no.2:25-27 F '63.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

SZABO, ANA

B.

RUMANIA/Physical Chemistry - Radiochemistry, Isotopes.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45855

Author : A, Szabo, Ester Dely, Ana Szabo

Inst : Academy of Sciences of Rumania.

Title : Preparation of Standard Radium Solutions from Rumanian  
Natural Sources.

Orig Pub : /Publ./ Acad. RPR Inst. fiz. atom., 1956, No 7, 6 pp.

Abstract : The method of Ra extraction from Rumanian calcareous  
tuffs is described. A weighed sample of tuff is dissolved  
in HCl and Ba chromate is precipitated from the so-  
lution at pH 7. An addition of Fe producing hydroxide  
furthers the precipitation. The precipitate is washed  
and dissolved in HCl. Ba sulfate is precipitated by  
 $H_2SO_4$ , washed and calcined with alkali metal carbonates,  
washed with water and dissolved in HCl.

Card 1/2

SZABO, ANA  
RUMANIA/Nuclear Physics - Instruments and Installations  
Methods of Measurement and Investigation.

C-2

Abs Jour : Referat Zhur - Fizika, No 1, 1958, 306  
Author : Szabo, Arpad., Dely Estera; Szabo, Ana;  
Inst : "  
Title : Preparation of Standard Solutions of Ra from Raw Material  
Available in the Rumanian People's Republic.  
Orig Pub : Comun. Acad. RPR, 1956, 6, No 10, 1187-1192  
  
Abstract : A standard solution was prepared from limestone deposits  
of mineral waters, containing metallic radium. Barium  
was used as the carrier for the element radium. The se-  
paration of radium was by precipitation in the form of  
chromate. Solutions of radium are suitable both for the  
preparation of standards and for various scientific re-  
search projects.

Card 1/1

SZABO, Andras

"Hungarian criminal procedure law" by Mihaly Mora and Mihaly Kocsis. Reviewed by Andras Szabo. Magy tud 69 no.6/7:462-463 Je-Jl :62.

1. Magyar Tudomanyos Akademia Allam- es Jogtudomanyi Intezete  
tudomanyos munkatarsa.

S/081/62/000/021/034/069  
B149/B101

AUTHORS: Solacolu, S., Szabó, Andrei

TITLE: Production of magnesia based on the Solvay method of soda production, and its conversion into refractory materials

PERIODICAL: Referatiynny zhurnal. Khimiya, no. 21, 1962, 332, abstract 21K216 ("Epítőanyag" 1962, v. 14, no. 2, 1962, 59 - 64 [Hung.] summaries in Russ. and Ger.])

TEXT: Calcined and slaked dolomite is used for the regeneration of  $\text{NH}_3$  in soda manufacture. A suspension of  $\text{Mg}(\text{OH})_2$  which results from this is decanted, filtered, washed and clinkered. The product, containing 80 - 85%  $\text{MgO}$ , is used directly for constructing soles of furnaces. If, however,  $\text{CaCO}_3$  is precipitated from the suspension by passing  $\text{CO}_2$  and if the resulting  $\text{Mg}(\text{HCO}_3)_2$  is separated by decantation and converted into  $\text{MgCO}_3$  by adding  $\text{Na}_2\text{CO}_3$  the product is a very pure basic magnesium carbonate, which is used for the manufacture of refractory materials. The calcination is done in two stages: first at  $800^\circ\text{C}$  in an annular kiln to

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Production of magnesia based on...

S/081/62/000/021/034/069  
B149/B101

obtain MgO powder, then in a rotating furnace, together with a mineralizer, until clinkering occurs. Ilmenite, bauxite, siderite, or ankerite are used as mineralizers. Chromo-magnesite and magnesite-chromite refractories are prepared, with a ratio 1:1 of rough and fine fractions. With increasing chromite content, the water absorption and heat resistance of the goods are increased. It was found that complete or partial substitution of chromite by bauxite makes it possible to obtain magnesite-spinel refractory materials; the baking temperature for chromo-magnesite goods is 1710°C and for magnesite goods 1620°C. [Abstracter's note: Complete translation.]

Card 2/2

MAROS,Tiberiu; PAPAY,Zoltan; SZABO,Arcadiu; BIRO,Francisc

Morphological aspects of enterogenous liver diseases. Probl.  
ter.,Bucur. 10 no.2:69-77 '59.  
(LIVER DISEASES, etiology)  
(STOMACH,neoplasms)  
(PEPTIC ULCER, complications)  
(CHOLECYSTITIS, complications)  
(APPENDICITIS, complications)

VRSEK, J., inz.; BENES, F., inz., CSc.; SZABO, A., inz.; STENO, J., inz.

Problems of continuous casting of low-carbon steels. Hut  
listy 18 no.11:773-779 N°63.

1. Vyzkumny ustav hutnictvi zeleza, Praha (for Vrsek and Benes)  
2. Svermove zeleziarne, Pobrezova (for Szabo and Steno).

SZABO, A., doctor in stiinte chimice

Artificial intensification of the radioactivity of therapeutic waters. Med. intern. 15 no.9:1141-1149 S '63.

1. Lucrare efectuata in Institutul de fizica atomica, Sectia Cluj, Laboratorul de radioizotopi.

(MINERAL WATERS) (RADIOACTIVITY)  
(RADIUM) (RADON) (BALNEOLOGY)

L 55165-65

ACCESSION NR: AP5017643

RU/0017/64/000/009/0395/0398

3

B

AUTHOR: Birlogeanu, C. (Engineer); Szabo, A. (Engineer); Barbulesscu, E. (Engineer);  
Dragoman, I. (Engineer)TITLE: Stabilized dolomite as a basic refractory product from indigenous raw  
materials

SOURCE: Metalurgia, no. 9, 1964, 395-398

TOPIC TAGS: calcium carbonate, magnesium compound, lime, dolomite, refractory  
productABSTRACT: (Authors' English summary modified): A description of the wet manufacturing  
of stabilized dolomite from the Romanian dolomites and serpentines. The physical  
and chemical properties of the stabilized dolomite are given and the optimal  
conditions during the technological process are discussed. Orig. art. has  
1 figure and 3 tables, 12 formulas.

ASSOCIATION: Institutul de cercetari metalurgice (Metallurgical Research Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF Sov: 003  
Card 1/1

OTHER: 004

JPBS

SZABO, A.; FAY, CS.  
<sup>Kos</sup>

Attainable degree of efficiency of single-stage spiral-cased centrifugal pumps. p.276.  
GEP. Budapest, Hungary. Vol. 11, no. 7, July 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

VERBA, A.; SZABO, AKOS

Typical characteristics of radial-flow pumps depending on size of clearance between rotating cascade of vanes without front shroud and casing. Acta techn Hung 28 no.3/4:323-348 '60. (EEAI 9:9)

1. Department of Hydraulic Machines, Technical University,  
Budapest.  
(Impellers) (Pumping machinery)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1

SZABO, Akos

Group calibration of small-size current meters, Visugyi kozel  
no. 2; 345-347 '60.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

MARIK, M. (Budapest, XI., Stoczek utca 2.Ungarn); SOMOGYI, M. (Budapest, XI,  
Stoczek utca 2.Ungarn); SZABO, A. (Budapest, XI., Stoczek utca 2.Ungarn)

The effect of air admission on the characteristics of centrifugal  
pumps. Periodica polytechn eng 5 no.1:25-30 '61.

1. Lehrstuhl fur Stromungsmaschinen, Technische Universitat, Budapest.  
Vorgelegt von Prof. Dr. J. Varga.

(Centrifugal pumps)

SZABO, Akos

Methods for measuring the velocity at one and more points for the quantitative determination of fluid flow in closed pipes. Vizugyi kozl no.l:123-124 '61.

SZABO, Akos

Application of centrifugal pumps in the chemical industry. Magy  
kem lap 16 no.9:418-427 S '61.

1. Budapesti Műszaki Egyetem Vízgepek Tanszéke.

SZABO, Akos; VERBA, Attila

Application of water jet pumps in head increasers. Hidrologiai  
kozlony 42 no.2:172-176 Ap '62.

1. Budapesti Műszaki Egyetem Vizgepek Tanszeke.

STVRTECZKY, Ferenc; SZABO, Akos

Some results in the investigation of the width of pump blades.  
Gep 16 no. 4:152-156 Ap '64.

1. Department of Hydraulic Machinery, Budapest University of  
Technical Sciences. Head of Department: University Professor  
Dr. Jozsef Varga.

SZABO, Akos; STVRDECZKY, Ferenc

Effect of the roundign off of the suction-side front plate  
of half-opened impellers on pump characteristics. Gep 17  
no. 2:41-44 F '65.

1. Chair of Hydraulic Machinery of Budapest Technical University.

L 33773-66 T-2 WW

ACC NR: AT6025135

SOURCE CODE: HU/2504/65/051/01-/0031/0044

AUTHOR: Stvrtczky, F.; Szabo, A.

25  
Bx/  
7

ORG: Department for Hydraulic Machines, Technical University, Budapest

TITLE: Influence of the blade breadth on the characteristics of centrifugal pumps with open type impellers

SOURCE: Academia scientiarum hungaricad. Acta technica, v. 51, no. 1-2, 1965, 31-44

TOPIC TAGS: centrifugal pump, hydraulic engineering

ABSTRACT: Experiments were conducted to establish the effect of blade breadth on the characteristics of the pump. The results of the experiments were presented and discussed. It was found that the various characteristics, as affected by the blade breadth, can be optimized. Curves were prepared to assist in the determination of the optimum parameters and the methods of calculation involved were explained. Significant improvements in pump efficiency could be realized by employing the techniques described. The authors thank A. Verba for valuable assistance in the research.

[Crig. art. in Eng.] [JPRS: 33,544]

SUB CODE: 13/ SUBM DATE: 22Dec62/ ORIG REF: 007

Card 1/1 92

0016

0520

MACSKASY, Hugo; SZABO, Ambrus

Combustibility of plastics. Musz elet 18 no.26:15 19 D '63.

SZABO, Ambrus

Weatherproofness of plastic products. Musz elet 19 no.18:15  
27 Ag '64

HUNGARY

MOZSIK, Gyula, JAVOR, Tibor, DOBI, Sandor, PETRASSY, Klara, SZABO, Andras;  
Medical University of Debrecen, II. Medical Clinic (Debreceni Orvos-  
tudomanyi Egyetem, II. sz. Belklinika).

"The Development of Denervational Hypersensitivity in Patients Treated With  
Atropine."

Budapest, Kisorletes Orvostudomany, Vol XVIII, No 4, Aug 66, pages 353-358.

Abstract: [Authors' Hungarian summary] The parotid secretion of patients under prolonged treatment with atropine was studied before the treatment, during 2-4 weeks of treatment and 3-5 days after its cessation. The basal secretion and the extent of reflex responses to citric acid solutions and to humoral stimulation (acetylcholine, noradrenalin, histamine) were determined. It was found that the inhibitory effect of atropine on the parotid secretion is decreased during prolonged atropine treatment; this is not caused by a decrease in the amount of atropine in these patients. During 2-4 weeks of treatment, basal secretion and response to submaxillary stimulations were greatly increased while the response to supermaxillary stimulation remained largely unchanged. Response to noradrenalin increased greatly, to acetylcholine to a lesser extent. 3-5 days after cessation of the atropine treatment, basal secretion and response to noradrenalin returned to their original level while the response to acetylcholine decreased to a lesser extent. The conclusion was reached that a "pharmacological denervational hypersensitivity" develops during the 2-4 weeks of atropine treatment.

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HUNGARY

KRASZNAI, Geza, Dr, SZABO, Anna, Dr, MANDI, Laszlo, Dr; Medical University of Debrecen, Institute of Pathological Anatomy (director: ENDES, Pongrac, Dr) and Pulmonary Clinic (director: PONGOR, Ferenc, Dr) (Debrecenti Orvostudomanyi Egyetem, Korbonctani Intezet es Tudoklinika).

"Pulmonary Alveolar Proteinosis."

Budapest, Orvosi Hetilap, Vol 108, No 8, 19 Feb 67, pages 347-351.

Abstract: [Authors' Hungarian summary] A literature survey is presented on pulmonary alveolar proteinosis (PAP) followed by the discussion of a case. Clinical and laboratory studies failed to yield a diagnosis. Lung biopsy was performed and the presence of PAP was confirmed by a histological evaluation. Examination of the sputum was also of diagnostic value since, in addition to a PAS-positive, cell-free, granulated material, it also contained bodies of lamellar and granular structure resembling corpus amylaceum. The patient's anamnesis, his occupational history, the symptoms, the clinical appearance of the disease and the histological picture correspond, in all their major characteristics, to pulmonary alveolar proteinosis as described by Rosen et al. All 30 references are Western.

1/1

RUMANIA

STOICAN, Eugenia, Dr, and SZABO, Elisabeta, of the "Pasteur" Institute for Veterinary Research and Biological Products (Institutul de Cercetari Veterinare si Biopreparate "Pasteur") and CHIRICA, Dr, of the Ministry of Chemical Industry (Ministerul Industriei Chimice).

"Comparative Studies on the Anthelmintic Activity of Some Local Preparations in Controlling Round-Worm Infestations of the Digestive Tract in Hens."

Bucharest, Revista de Zootehnica si Medicina Veterinara, Vol 17, No 1, Jan 67, pp 60-67.

Abstract [Authors' English summary modified]: A report on an evaluation of piperazine sulphate as compared to piperazine adipate, phenothiazine, and phenothiazine with microelements. The study involved 10,110 hens of various ages and types. It was found that piperazine sulphate can effectively replace piperazine adipate, and that the optimal dosage is 0.4 g per kilogram of body weight in the case of individual administration and 0.8 gram per kilogram of body weight in the case of mass administration. In the case of mixed infections of Nematodae and Heterakidae, phenothiazine should be used in addition. --

1/1 Includes 3 tables and 9 references.

SCHRADI, Antal, dr.; BENE, Julia, dr.; SZABO, Anna, dr.; SZOOR, Arpad, dr.

Ethionamide chloral hydrate in the treatment of pulmonary tuberculosis. Orv. hetil. 106 no.37:1753-1757 12 S'65.

1. Debreceni Orvostudomanyi Egyetem, Tbc Klinika (mb. igazgato: Pongor, Ferenc, dr.) es Elettani Intezet (mb. igazgato: Varga, Emil, dr.).

VEZENDŐ, Sandor, dr.; MANDI, László, dr.; SZABÓ, Anna, dr.; MESZAROS, Lajos, dr.

Significance of pleurisy in the development of remote pulmonary tuberculosis. Tuberkulózis 17 no.7:202-204 Jl '64.

1. A Debreceni Orvostudományi Egyetem TBC Klinikájának (mb. igazgató: Pongor Ferenc dr.) kozleménye.

SZABO, Antal

The development of Soviet democracy; theoretical questions.  
Munká 12 no.1:8-9 Ja '62.

1. Vasutas Szakszervezet fotitkara.

CSANADI, Gyorgy, dr.; SZABO, Antal

Appeal to Hungarian railroad men! Magy vasut 7 no.5:1 4 Mr '63.

1. Miniszter elso helyettese; MAV vezerigaztatoja (for Csanadi).
2. Vasutasok Szakszervezete fotitkara (for Szabo).

SZABO, Antal

From the life of the Hungarian Railway Union. Hung TU  
no.2:3-5 F '63.

1. General Secretary of the Hungarian Railway Union.

CSANADI, Gyorgy, dr.; SZUCS, Zoltan; SZABO, Antal;

Instructions for the preparation and execution of the autumnal  
peak traffic. Magy vasut 7 no.17:1 2 S '63.

1. Kozlekedes-es Postaügyi Miniszter also helyettese; MAV  
vezetigazgato (for Csanadi).
2. Kozlekedes-es Postaügyi Miniszterium I. Vasuti Foosztaly  
Magyar Szocialista Munkaspert partbizottsaganak titkara  
(for Szucs).
3. Vasutasok Szakszervezetek fotitkara (for Szabo).

SZABÓ, Antal

Trade unions ought to take more energetic measures in  
protecting the physical safety of workers. Munka 13 no.6:  
6-7 Je '63.

1. Vasutasok Szakszervezete fotitkara.

SZABO, Antal

For the success of the autumnal peak traffic. Magy vasut 7  
no.19:3 0 '63.

1. Szakszervezet fotitkara.

SZABO, Antal

Application of spectrophotometry in steroid-hormone research.  
Magy kem lap 18 no.12:613-616 D '63.

1. Gyorgyszeripari Kutato Intezet.

SZABO, Antal

Six hundred and four million forints are allotted for the  
social insurance of railroad workers in 1964. Magy vasut  
8 no. 12: 1-2 20 Je '64.

SZABO, Antal; RODONYI, Karoly

An appeal! Magy vasut 8 no.5:1 2 Mr '64.

1. Vasutasok Szakszervezete fotitkara (for Szabo).
2. Miniszterhelyettes; Magyar Allamvasutak vezetigazgatoja  
(for Rodonyi).

SZABO, A.; KRAMLI, A.

Action of redox systems on the metabolism of microorganisms. IV.  
The change of riboflavin production in shaken cultures of  
Eremothecium ashbyii. In German. p. 197. ACTA BIOLOGICA.  
(Magyar Tudomanyos Akademia) Budapest. Vol. 6, no. 3/4, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 12, December 1956.

JOHAN, B.; SZABO, A.; KERESZTESSY, E.

Combined fermentation. I. Trichothecium - Penicillium fermentation. Acta microb.hung. 6 no.4:315-326 '59.

1. Institute of Serum and Vaccine Production "Phylaxia", Budapest.  
(FUNGI)  
(PENICILLIUM)  
(ANTIBIOTICS)

JOHAN, Bela (Kelenhegyi ut 33, Budapest XI.); SZABO SZUCS, Janos (Szallas u.5-7, Budapest X.); SZABO, Aranka (Szallas u.5-7, Budapest X.)

Studies on the technology of preparation of glucose-containing media.  
Acta microbiol Hung 7 no.4:391-399 '60. (EEAI 10:5)

1. Institute of Serum and Vaccine Production "Phylaxia," Budapest.  
(GLUCOSE)

SZABO, Arpad, dr.; KOVACS, Vince, dr.

Heart lesions due to cardiac massage. Orv. hetil. 103 no.6:  
253-256 11F '62.

1. Fovarosi Birosagi Orvosok es Budapesti Orvostudomanyi Egyetem,  
Igazsagugyi Orvostani Intezet.  
(RESUSCITATION) (HEART pathol)

SZABO, Arpad, dr.; KOVACS, Vince, dr.

Heart massage — ablatio epicardii. Orv. hetil. 105 no.11:  
514-515 15 Nr'64.

1. Fovarosi Birosagi Orvosi Iroda es Budapesti Orvostudomanyi  
Egyetem, Igazsagugyi Orvostani Intezet.

\*

SZABO, Arpad, dr.; KOVACS, Vince, dr.

Disseminated cavernous hemangioma. Orv. hetil. 105 no. 28:1322-  
1324 12 Jl '64

1. Fovarosi Birosagi Orvosi Iroda es Budapesti Orvostudomanyi  
Egyetem, Igazsagugyi Orvostani Intezet.

34

C.A.

Radioactivity of Transylvanian mineral waters and  
gases. Árpád Szabó. *Hydrok. Kozlony* 29, 37-41 (1949). —  
In July-Aug. (1947) 23 mineral waters of Háromszék County  
contained 0.0870-1.0830 millimicrocurie Rn per l. The  
H<sub>2</sub>S content ranged from traces to 0.590 mg./l. and seemed  
to increase parallel to Rn content. The gases contained (3  
samples at different sampling sites) 0.30 to 1.0618 milli-  
microcurie Rn per l., and 0.0-0.37% H<sub>2</sub>S. István Finálv

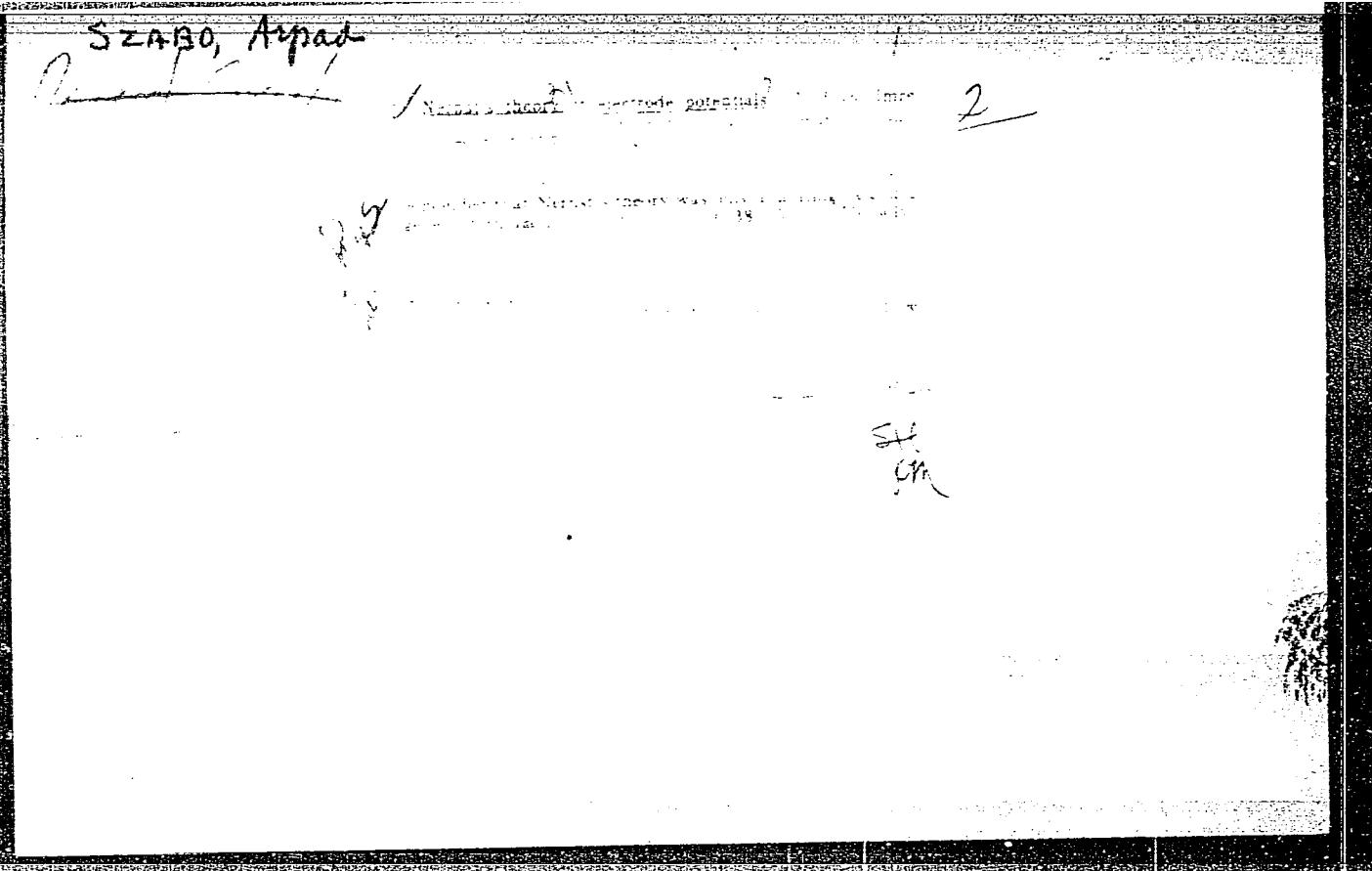
Szabo, Arpad

Measurements of the radioactivity of mineral waters of the Rumanian Popular Republic I. New experimental principles in the analysis of mineral waters and characteristics of the experimental determinations. Árpád Szabó (Radioactivity Lab. Acad., Cluj, Rumania) *Acad. Rep. populaře Românie, Filială Cluj, Studii cercetări stiinț. 3, 85-92 (1952)*. Previous studies of the radioactivity of mineral waters reported usually only data concerning Rn and only seldom was the Ra or U content detd. Such data still permitted correlations to be established between Rn content and rock compns. at the source of the water (cf. C.A. 45, 951e). However, in order to be able to draw more definite geochem. conclusions, all the radioactive components of thermal waters are detd., namely Rn, Ra, U, Th, Th X, M<sub>2</sub>Th, Ra Th, and U X. If the ratio of these components does not agree with the calc'd. radiochem. equil., the effect of chem. or biol. factors in the depth of the earth or near the surface may be observed. *Francisco Kertesz*

*See  
me*

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CIA-RDP86-00513R001654320018-1



APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

SZABO, ARPAD

Preparation of standard solutions of Radium from raw materials of the Romanian People's Republic. Arpad Szabó, Estera Delv and Ana Szabó. Comun <sup>27</sup> Academie Populară Române, 6, 1137-0211950. Relatively weak winds of Ra needed for standardization purposes were prepared from domestic lime tuff obtained at Singera. The total percentage of these deposits was 4.2%. The following standard procedure for the Ra was adopted: Lime tuff was calcined, powdered and dissolved in dilute sulfuric acid. The solution was neutralized with dilute ammonia and excess of  $\text{Cr}_2\text{O}_7$  added. The precipitate was collected and redissolved in dilute sulfuric acid. The solution was filtered. The salt was dissolved in water.

4

SZABO, A.

- RUMANIA/Physical Chemistry - Radiochemistry, Isotopes.

B.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45855

Author : A, Szabo, Ester Dely, Ana Szabo

Inst : Academy of Sciences of Rumania.

Title : Preparation of Standard Radium Solutions from Rumanian Natural Sources.

Orig Pub : /Publ./ Acad. RPR Inst. fiz. atom., 1956, No 7, 6 pp.

Abstract : The method of Ra extraction from Rumanian calcareous tuffs is described. A weighed sample of tuff is dissolved in HCl and Ba chromate is precipitated from the solution at pH 7. An addition of Fe producing hydroxide furthers the precipitation. The precipitate is washed and dissolved in HCl. Ba sulfate is precipitated by  $H_2SO_4$ , washed and calcined with alkali metal carbonates, washed with water and dissolved in HCl.

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654320018-1"  
RUMANIA/Physical Chemistry - Radiochemistry, Isotopes.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 45855

In order to eliminate all the traces of Fe, it is precipitated with ammonia. Ba and Ra are precipitated by the addition of  $(NH_4)_2CO_3$ , washed and dissolved in HCl. 2 standard solutions each containing  $4 \cdot 10^{-12}$  g of Ra were obtained of 1 kg of tuff.

Card 2/2

✓ Radioactivity of some thermal water wells in the regions  
of Oradea and Timisoara, Romania

8/2 2

and Attila Soos (Institute for Geophysics, Budapest) and  
deep pump wells in the vicinity. The results show that  
radioactivity of these waters in Rumania was compared  
with the following values: 1.0, 1.5, 2.0, 2.5, 3.0, 3.5,  
the results were:

value R.

radioactivity

SZABO, A.

19  
Radioactivity in the mineral waters

1. Introduction  
In a previous paper (1) we have reported the presence of mesothorium in the Lourdes ferruginous water. The method of

separation of mesothorium and thorium from the ppt was dissolved in HCl, the Fe was removed and La added and passed as lanthanide hydroxide, carrying with it the Th. The ppt was then  $\beta$ -counted. It was separated from the water like U by coprecipitation with  $\text{Fe}(\text{OH})_3$ . The ppt was purified and allowed to stand for 5 to 7 days so that mesothorium could grow back in and the amount then determined by  $\beta$ -counting. Th-Na was done by determining the  $\beta$ -content of the water. Mesothorium was determined by comparison methods by utilizing the fractionation of mesothorium. Uranium was determined by means of separation of U and Th and counting the Th which was separated after fractionation. Thorium was determined by the same method as mesothorium. The water was dissolved in HCl, the Fe removed and La added and passed as lanthanide hydroxide, carrying with it the Th. The ppt was then  $\beta$ -counted. A small amount of the  $\beta$ -radioactive material was added to the water and the amount of the  $\beta$ -radioactive material was determined by  $\beta$ -counting. The amount of the  $\beta$ -radioactive material was determined by the ratio of the amount of the  $\beta$ -radioactive material to the amount of the  $\beta$ -radioactive material which was counted. Most of the waters are weakly active. Those waters from Herkulesbad contained 21.46 millimicrocuries of Ra/L and  $49.2 \times 10^{-10} \pm 0.4$   $\gamma/\text{cm}^2$ .

SZABO, A

*2*  
Radiactivity of the drinking water of Cluj. A. Szabó.  
*Acad. rep. populară Române, Inst. fiz. Atomeră IFK/RM*, 8  
pp. (1958).—Samples taken throughout the city water dis-  
tribution system over a period of 6 years show a Ra content  
of about 1.14 millimicrocuries/l. There is about 1000 times  
less Ra in these waters. Some Ra is lost in the scale which  
collects in the pipe and reservoirs. It is postulated that  
the radioactivity is ext. from the granite found in the  
Somes plateau.

J. G. Stites

1. Encl  
1 - 900m

encl.

bmf

SZABÓ, A.

<sup>19</sup>  
Radiosactivity of some hot springs near Oradea and Hunedoara (Siebenbürgen). A. Szabó and Géza Attila. Acad. rep. populară Române, Rev. științifică Atomica RPA/R/10, 9 pp. (1966).—The thermal wells of Balint Springs near Oradea produce about 0.40 millimicrocuries of Ra/l., or about  $2.6 \times 10^5$  millimicrocuries per day. The mud near the springs contains  $0.45 \times 10^{-11}$  g. Ra/g. dry mud. At Bath ("I-Mai") the Ra content of 30 springs in the vicinity ranged from 1.2 to  $2.5 \times 10^{-11}$  g./l. The medicinal muds from these springs analyze about  $1.1 \times 10^{-11}$  g./g. dry mud. At Geogiu, near Hunedoara, the spring waters analyze 0.16–3.22 millimicrocuries of Ra/l. and  $0.21\text{--}8.21 \times 10^{-11}$  g. Ra/l. The Ra content is not proportional to the Ra contents.  
J. G. Stiles

6  
1-Rath  
1-GWMRath  
MT

SZIBO, A.; SZIBO, A.; DELY, E.

Preparation of standard solutions of radium from Rumanian raw materials. p. 1137.  
(COMUNICARILLE. Rumania. Vol. 6, no. 10, Oct. 1956)

SC : Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

SZABO, A.

"Introduction of new technique by mechanization and small mechanization in  
the Janos Herbak Enterprise in Cluj."

p. 257 (Industria Usoara) Vol. 4, no. 6, June 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

RUMANIA / Cosmochemistry. Geochemistry.  
Hydrochemistry.

D

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64131

Author : Szabo Arpad, Soc Attila

Inst : Not given

Title : Measurement of the Radioactivity of Mineral  
Waters in the RPR. VII. Radioactivity of  
Waters and Sediments From Salt Lakes and Mineral  
Sources of the Sovata and Praid Health Resorts.

Orig Pub: Studii si cercetari chim. Acad. RPR Fil. Cluj,  
1957, 8, No 1-2, 135-142

Abstract: The radioactivity of the waters of the Sovata  
salt lakes is so small that it is not detectible.

Card 1/3

Szabo, A.

RUMANIA/Cosmochemistry, Geochemistry, Hydrochemistry.

D.

Abs. Jour : Ref Zhur - Khimiya, No 10, 1958, 32117

Author : A. Szabo, A. Soo

Inst : Academy of Sciences of Rumania.

Title : Study of Radon, Radium and Uranium Concentration  
Degrees in Mineral Waters and Calcareous Tuffs of  
Singeorz-Bai (Cluj District).

Orig Pub : Bul. stiint, Acad. RPR. Ser. mat. si fiz., 1957, 9, No  
1, 159-163

Abstract : The results of Rn concentration measurements in carbo-  
nate waters of the health resort Singeorz-Bai (from  
0.63 to 29.9 Mach units) are presented. During these  
30 years the Rn content has not changed noticeably.  
The content of metallic Ra is 8 to 20 .  $10^{-12}$  g per lit  
in water and 12 to 15 .  $10^{-12}$  g per lit in calcareous

Card 1/2

RUMANIA/Cosmochemistry, Geochemistry, Hydrochemistry.

D.

Abs. Jour : Ref Zhur - Khimiya, No 10, 1958, 32117

tuffs deposited by that water.

Neither the water, nor the tuffs contain U in determinable quantities.

Card 2/2

16

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1

52 ABO AR PAD

✓ The radon and radium concentration in the springs  
and mineral deposits of the waters of the  
Tigris River and its tributaries.

3  
46.32

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654320018-1"

COUNTRY	:	Romania	D
CATEGORY	:		
ABS. JOUR.	:	SZKhim., No. 1959, No. 85532	
AUTHOR	:	<u>Bacso, A.</u>	
INST.	:	Hungarian Academy of Sciences	
TITLE	:	Contributions to the Investigation of Radioactive Mineral Waters in the Romanian People's Republic.	
ORIG. PUB.	:	Acta chim. Acad. scient. hung., 1959, 18, No 1-4, 129-140	
ABSTRACT	:	Analyses were made of 180 samples of mineral waters, numerous samples of therapeutic mud and mofette gels. Th and Ra content were determined in all samples, the content of other radioactive components only in those cases where it was possible. The content of Th in the waters under study was 1.69 micuries, that of Ra was $0.5-58 \cdot 10^{-12}$ g/liter. Content of Ra in mud and calcareous precipitates deposited from the water was $5-30 \cdot 10^{-12}$ g/liter. From the standpoint of radioactive equilibrium, Th content in mineral waters is lower in relation to the available Ra, and higher in relation to available U. The geographic distribution of mineral waters under study, in CARD: Romania, is shown on appended diagrammatic map. See also SZKhim, 1958, 13, 77123. according to author's summary.	

58

SZABC, Arpad, dr.

Level-measuring instruments based on radioisotopes. Automatica  
electromica 5 no.6:249-253 N-D '61.

I.Seful laboratorului de radioizotopi de la Institutul de fizica  
atomica, Sectia Cluj.

SZABO, Arpad

Measuring the radioactivity of Rumanian mineral waters. XI. Radioactivity  
of mineral waters of the Cluj region. Comunicarile AR 11 no.8:921-929  
'61.

1. Institutul de fizica atomica, Acad. R.P.R., Sectia Cluj. Comunicare  
prezentata de academician H. Hulubei.

SZABO, Arpad, dr.; PASCALAU, M.

Raising technological level of production through the application  
of radioisotopes and electronics in the ceramic industry of the  
Cluj region. Industria uscara 9 nc.2:41-44 F '62.

CHISU, A.; MAROS, D.; ALBU, T.; HULPE, G.; MATEISANU, D.; DALY, A., SZABO, A.

Contributions to the studies of the wear of toothed wheels by using radioactive isotopes. Studii cerc cerc apl 13 no.6:1549-1555 '62.

1. Institutul politehnic, Cluj (for Daly). 2. Institutul de fizica atomica, Cluj (for Szabo).

TREIBER, I.; SZABO, A.

On the radioactive characteristics of the massive eruptive rocks in the Giurgeului de Nord Mountains. Studii cerc geol 8 no.1:101-109 '63.

1. Comunicare prezentata de academician M. Savul., Catedra de geologie si mineralogie, Universitatea "Babes-Bolyai", Cluj si Institutul de fizica atomica al Academiei R.P.R., Cluj.

TREIBER, I., SZABO, A.

Contributions to the research on the radioactive characteristics  
of the subvolvanic rocks in the Calimanului de Nord Mountains.  
Studii cerc geol 8 no.1:111-124 '63.

1. Comunicare prezentata de academician M. Savul.

SZABO, Arpad; BANYAI, Ioan

Contributions to the radiogeologic research in the  
Eastern Carpathians. Studii cerc geol 8 no. 2: 303-  
325 '63.

1. Comunicare prezenta de academician M. Savul.

SZABO, A.; SZENTGYORGYI, P.; PASCU, N.

Study on the applicability of gammaspectrometry and on the chromatographic method in the radioisotopic analysis of the factors of ambient medium. Studii cerc chimice Cluj 14 no.2:333-349 '63.

1. Radioisotope Laboratory, Institute of Atomic Physics, Cluj Branch, and the Laboratory of Radiochemistry, Institute of Chemistry, Rumanian Academy, Cluj Branch.

CHISU, A.; MAROS, D.; ALBU, T.; HULPE, Gh.; BOGDAN, M.; MATIESAN, Dorina;  
DALY, A.; VERES, A.; SZABO, A.

Contributions to the studies on the wear of spur gear wheels with  
straight teeth made of nodular graphite cast iron with the aid of  
radioactive isotopes. Bul stiint polit Cluj 6:213-223 '63.

1. Institute of Atomic Physics, Magurele (for Szabo).

SABO, A. [Szabó, A.]

Transformation of mathematics into a deductive science and the  
beginning of its foundation. Ist.-mat. issl. no.12:321-392 '59.  
(MIRA 13:11)

(Mathematics)

SZABO, Arpad (Budapest)

Euclid's terminology of the fundamentals of mathematics. I. Mat kozl  
MTA 10 no.4:441-468 '60. (EEAI 10:3)

1. A Magyar Tudomanyos Akademia Matematikai Kutato Intezete,  
Budapest.  
(Mathematics)

SZABÓ, Arpad (Budapest)

Euclid's terminology of the fundamentals of mathematics. II. Mat kozl  
MTA 11 no.1:1-46 '61. (EEAI 10:6)

1. A Magyar Tudományos Akadémia Matematikai Kutató Intézete,  
Budapest.  
(Geometry) (Mathematics) (Aristoteles)

SZABÓ, Arthur

Some designing problems of the development of drying apparatus  
equipped with glass plates. Bor cipo 10 no.1:28-30 Ja '60.

1. Konnyupari Tervezo Iroda.

SZABO, Arthur

Some construction problems of the development of glass-plated  
drying installations. Bor cipo 10 no.2:53-55 Mr '60.

1. Konnyuipari Tervezo Iroda.

SZABO, Arthur

A new type textil industry drying apparatus for drying hanks.  
Magy textil 14 no.3:122-125 Mr '62.

SABO, B.

SABO, B. -- "An Analysis and Comparison of the Modern Designing Methods of the Working Blades of an Axle-type Hydroturbine." Min Higher Education USSR, Leningrad Polytechnical Inst imeni M. I. Kalinin, Leningrad, 1956. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No 44, October 1956

SZABO, B.

Results and tasks of maintenance in iron smelting. p. 297 (Kohaszati Lapok.  
Budapest. Vol. 11, no. 5, May 1956)

SO: Monthly List of East European Acquisitions (EEAL) LC., Vol. 6, no. 7, July 1957 "Incl.

SZARC, B.

"Design of Damping Elements" p. 170 (Radioteknika, Vol. 3, No. 8, August, 1953,  
Budapest)

SO: Monthly List of Russian Accessions, Library of Congress, March 1954,  
1953, uncl.

PEREDY, Sandor; MONATH, Lajos; RAPELIUS, Karl (Leipzig); CALLENBERG, Waldemar (Leipzig); LIPKA, Ceslav (Praha); FREIBERGER, Rudolf, dr. ing. (Praha); SCHENKEL, Gerhard, dr. ing. (Karlsruhe); MIKULSKI, Jan, dr. ing. (Katowice); FRATZSCHER, Wolfgang, dr. ing. (Drezda); BENEDEK, Istvan; CUKOR, Gyorgy; SAGI, Marton; SOVARY, Emil; NAGY, Csaba (Roman Nepkoztarsasag); ELEFTERESCU, M. (Roman Nepkoztarsasag); KOVACS, Istvan (Roman Nepkoztarsasag); LAZAR, Peter, dr.; MEJRO, Cz., prof. (Varso); KOKOVAY, Janos, dr.; SCHAEFER, Helmuth, dr. ing. (Karlsruhe); BORBAS, Nandor; GRUHN, Gunther, Dipl. ing. (Drezda); SZABO, Bendeguz; GYORI, Attila; MOLNAR, Laszlo; RECZEY, Gusztav, dr.

Determination and application of specific power utilization indexes. Ipari energia 3 no.1/2:15-22 Ja-F '62.

1. Koho- es Gepipari Miniszterium Ipargazdasagi es Uzemszervezeti Intezete (for Peredy).
2. Obudai Hajogyar (for Monath).
3. Orszagos Energiaigazdalkodasi Hatosag (for Benedek and Reczey).
4. Magyar Tudomanyos Akademia Kozgazdasagtudomanyi Intezete (for Cukor and Sagi).
5. Eromu Tervezo Iroda (for Sovary).
6. Konnyui-pari Miniszterium (for Kokovay).
7. Voros Csillag Traktorgyar (for Borbas).
8. Kobanyai Muanyaggyar (for Szabo).
9. Koho- es Gepipari Miniszterium Energiaosztaly (for Molnar).